



DEVELOPMENT SERVICES DEPARTMENT
ENVIRONMENTAL COORDINATOR
450 110th Ave NE., P.O. BOX 90012
BELLEVUE, WA 98009-9012

OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No. 14-133698-LO/14-133699-WG

Project Name/Address: 11400 SE 8th Street

Planner: David Pyle

Phone Number: 425-452-2973

Minimum Comment Period: August 18, 2014

Materials included in this Notice:

- Blue Bulletin
- Checklist
- Vicinity Map
- Plans
- Other:

OTHERS TO RECEIVE THIS DOCUMENT:

- State Department of Fish and Wildlife / Sterwart.Reinbold@dfw.gov; Christa.Heller@dfw.wa.gov;
- State Department of Ecology, Shoreline Planner N.W. Region / Jobu461@ecy.wa.gov; sepaunit@ecy.wa.gov
- Army Corps of Engineers Susan.M.Powell@nws02.usace.army.mil
- Attorney General ecyolyef@atg.wa.gov
- Muckleshoot Indian Tribe Karen.Walter@muckleshoot.nsn.us; Fisheries.fileroom@muckleshoot.nsn.us



City of Bellevue Utilities Division

S60-Wilburton Sewer Capacity Upgrade Project

Shoreline Substantial Development Permit

Project Narrative

General Project Description

The City of Bellevue (City) is proposing to replace sewers to increase capacity and to accommodate projected future higher density, mixed-use redevelopment in the Wilburton service area located east of the Interstate 405 (I-405) corridor between NE 8th Street and SE 8th Street. This area is served by a gravity sewer trunk line, and portions are currently at capacity. The project would replace approximately 4,300 lineal feet of existing 8-inch to 16-inch sewer lines with larger diameter pipelines that would generally follow the existing alignment. Major construction elements for the proposed project include the following: clearing and grading along the pipeline route, construction of pile supports along SE 8th Street, trenching along the pipeline route, construction of a stream bypass and open-cut construction in the streambed of a dewatered Sturtevant Creek, and then post-construction site restoration.

Shoreline Location and Jurisdiction

The proposed project is subject to conditions in the City's Shoreline Regulations (BMC 20.25E) and Shoreline Master Plan (SMP). However, the City's draft 2013 SMP is in the process of being adopted by the Department of Ecology. Therefore, this document refers to the City's Land Use Code for guidance on shoreline compliance as applicable to the proposed project.

City of Bellevue Shoreline Regulations

According to the City's Shoreline Regulations, the Sturtevant Creek Wetland is within the Shoreline Overlay District due to its association to Mercer Slough (BMC 20.25E.010):

"The Shoreline Overlay District encompasses those lake waters 20 acres in size or greater and those stream waters with a mean annual water flow exceeding 20 cubic feet per second; the lands underlying them; the lands extending landward for 200 feet in all directions as measured on a horizontal plane from the ordinary high water mark; floodways and contiguous floodplain areas landward 200 feet from such floodways associated with such streams and lakes; and marshes, bogs, swamps and river deltas associated with such streams and lakes. Specifically included within the district are the following:

- A. *Lake Washington, including Mercer Slough upstream to Interstate 405- The lake waters, underlying lands and the area 200 feet landward of the ordinary high water mark, plus associated floodways, floodplains, marshes, bogs, swamps, and river deltas."*

The Sturtevant Creek Wetland receives overbank flooding from Sturtevant Creek which is connected to Mercer Slough. Sturtevant Creek flows into Mercer Slough downstream of the project area via a culvert. This hydrologic exchange between Sturtevant Creek and Mercer Slough indicates that the unit is an associated wetland, despite being greater than 200 feet away from the OHWM of the Mercer Slough.

A Shoreline Substantial Development Permit (SSDP) is required from the City for applicable developments within the Shoreline Overlay District (BCC 20.25E.040). As part of the SSDP process, the proposed project must comply with the City’s Shoreline performance standards for utilities as described in their Land Use Code (LUC 20.25E.080.U):

1. *Compatible utilities shall be consolidated within a single right-of-way. After construction, all areas shall be restored to their pre-project configuration, replanted with suitable vegetation, and provided maintenance until newly planted vegetation is established.*

Applicant Response: The proposed pipeline alignment is within a single right-of-way (see attached Vicinity Map). All areas cleared for the proposed project’s construction activities would be restored with suitable native vegetation.

2. *Utilities proposed or located in the shoreline critical areas and shoreline critical area buffer shall comply with the requirements of LUC 20.25H.055.*

Applicant Response: New utility systems are an allowed use under LUC 20.25H.055. A summary from the City of Bellevue LUC identifying shorelines as critical areas is provided in the chart below.

Allowed Use or Development	Shorelines
New or expanded utility facilities, utility systems, stormwater facilities	20.25H.055C.2 20.25E.080B 20.25E.080U

Below is a description of general performance standards required for utility systems in the shoreline. A critical areas study addressing all other critical areas within the project area will be submitted separately.

**Part 20.25E Shoreline Overlay District
 Shoreline Performance Standards –LUC 20.25E.080 notes:**

B. General Regulations Applicable to All Land Use Districts and Activities

1. *Where applicable, all federal and state water quality and effluent standards shall be met.*

Applicant Response:

The proposed project would comply with applicable federal and state water quality standards.

- 2. If a property extends into the Shoreline Overlay District, the Shoreline Master Program Policies and these use regulations shall apply only to that portion of the property lying within the Shoreline Overlay District.*

Applicant Response:

Sturtevant Creek Wetland does extend into the Shoreline Overlay District. The proposed project would comply with the Shoreline Master Program Policies and use regulations.

- 3. All development within the Shoreline Overlay District shall be accompanied by a plan indicating methods of preserving shoreline vegetation and for control of erosion during and following construction in accordance with Part 20.25H LUC, City of Bellevue Clearing and Grading regulations, Chapter 23.76 BCC, and the Comprehensive Plan.*

Applicant Response:

A separate Critical Areas Study would serve as the plan indicating methods of preserving shoreline vegetation. In addition, a Temporary Erosion and Sediment Control Plan for clearing, grading, vegetation removal, ditching, filling, embankment compaction, or excavation would be developed, implemented, and maintained. Best Management Practices (BMPs) in the plans would be used to control sediments from all vegetation removal or ground disturbing activities.

- 4. Special care shall be exercised to preserve vegetation in wetland, shoreline and stream corridor bank areas in order to prevent soil erosion. Removal of vegetation from or disturbance of shoreline critical areas and shoreline critical area buffers, and from other critical area and critical area buffers shall be prohibited, except in conformance with Part 20.25H LUC and the specific performance standards of this section.*

Applicant Response:

The proposed project would comply with the above regulation. Special care would be exercised to preserve vegetation. Prior to the beginning of construction, high visibility fencing and silt fence would be installed to delineate the construction limits. No disturbance shall occur beyond these limits and all existing vegetation would be preserved to the extent practicable.

- 5. Maximum height limitation for any proposed structure within the Shoreline Overlay District shall be 35 feet, except in land use districts with more restrictive height limitations.*

*The method of measuring the maximum height is described in WAC 173-14-030(6).
Variances to this height limitation may be granted pursuant to Part 20.30H LUC.*

Applicant Response:

Not applicable. The proposed project does not include any structures.

6. The Bellevue Shoreline Master Program, in conjunction with existing Bellevue land use ordinances and Comprehensive Plan policies, shall guide all land use decisions in the Shoreline Overlay District.

Applicant Response:

The proposed project would comply with the Bellevue Shoreline Master Program and Bellevue land use ordinances and Comprehensive Plan policies as set forth in this document.

7. Any development within the Shoreline Overlay District shall comply with all applicable Bellevue ordinances, including but not limited to the Bellevue Land Use Code, Sign Code, and clearing and grading regulations.

Applicant Response:

The proposed project within the Shoreline Overlay District would comply with all applicable Bellevue ordinances.

8. The dead storage of watercraft seaward of the ordinary high water mark of the shoreline is prohibited.

Applicant Response:

Not applicable; the proposed project does not include the storage of watercrafts.

9. Where applicable, state and federal standards for the use of herbicides, pesticides and/or fertilizers shall be met, unless superseded by City of Bellevue ordinances. Use of such substances in the shoreline critical area and shoreline critical area buffer shall comply with the City's "Environmental Best Management Practices."

Applicant Response:

Not applicable. The proposed project does not anticipate any use of herbicides, pesticides and/or fertilizers.

10. Adequate storm drainage and sewer facilities must be operational prior to construction of new development within the Shoreline Overlay District. Storm drainage facilities shall be separated from sewage disposal systems.

Applicant Response:

The project would comply with this performance standard.

**Part 20.25H Critical Areas Overlay District, Performance Standards-
LUC 20.25H. 055(C) notes:**

2. *New and Expanded Uses or Development.* As used in this section, “facilities and systems” is a general term that encompasses all structures and improvements associated with the allowed uses and development described in the table in subsection B of this section:

a. *New or expanded facilities and systems are allowed within the critical area or critical area buffer only where no technically feasible alternative with less impact on the critical area or critical area buffer exists. A determination of technically feasible alternatives will consider:*

i. *The location of existing infrastructure*

Applicant Response:

The existing sewer pipeline flows southward along the east side of I-405 from Main Street until it crosses under I-405, and continues to flow south along the west side of 114th Avenue SE and then westward along the north side of SE 8th Street until it discharges into the East Central Business District trunk line located along 112th Avenue SE. Multiple design alternatives were analyzed with minimization of critical area impacts as part of the selection criteria. The proposed alignment would generally follow the existing alignment. There is no technically feasible alternative available with less impact on the critical area buffer for replacing the Wilburton sewer line since the proposed project avoids all permanent wetland impacts and only temporary impacts would occur.

ii. *The function or objective of the proposed new or expanded facility or system*

Applicant Response:

The City is proposing to replace approximately 4,300 lineal feet of existing sewers with larger diameter pipelines to provide additional capacity and to accommodate projected future higher density, mixed-use redevelopment in the Wilburton service area located east of the I-405 corridor between NE 8th Street and SE 8th Street. This area is served by a gravity sewer trunk line, and portions are currently at capacity.

iii. Demonstration that no alternative location or configuration outside of the critical area or critical area buffer achieves the stated function or objective, including construction of new or expanded facilities or systems outside of the critical area

Applicant's Response:

Multiple design alternatives were considered before selecting the proposed alignment. Minimization of impacts to critical areas and the shoreline was part of the screening criteria. The proposed sewer alignment would be installed along the same general route as the existing sewer line and within the disturbed right-of-way. Wetland delineations were conducted during the initial design phase of the project to establish a solid base map in order to develop a conceptual alignment to avoid critical areas. The proposed sewer alignment avoids all permanent wetland impacts. Construction of the trench across Sturtevant Creek would require temporary impacts to wetlands but is limited to those areas where other options were shown to be infeasible.

One design alternative analyzed included locating the proposed sewer pipeline adjacent to the existing pipeline within the SE 8th Street roadway prism. The section of SE 8th Street between 112th Street SE and 114th Street SE was reconstructed in 2002 with staggered Geofoam blocks, creating a "floating" road sitting on top of underlain unstable peat. Trenching through the Geofoam is not possible as it would negatively affect the stability of the roadway as a whole. In addition, construction within SE 8th Street would require additional effort to relocate storm drainage infrastructure and restoration of the existing Sturtevant Creek culvert, and the required dewatering could cause further settlement in the vicinity. For those reasons, the City decided to pursue an alignment along the north side of SE 8th Street.

Another identified option was to pursue design of the replacement pipeline on the south side of SE 8th Street; however, per discussions with the area habitat biologist at the Washington Department of Fish and Wildlife, it was determined that due to the scour potential of Sturtevant Creek and accessibility issues that the north alignment would be preferred.

iv. Whether the cost of avoiding disturbance is substantially disproportionate as compared to the environmental impact of proposed disturbance

Applicant's Response:

For this project, the cost of avoiding disturbance would be greater compared to the environmental impact of the proposed disturbance due to the infeasibility of locating the proposed pipeline in the SE 8th Street roadway prism as described above. The cost of installing the pipeline in the "floating" road sitting on top of underlain unstable peat in SE 8th Street was approximately \$900,000 greater and therefore, was deemed infeasible. The cost of the alignment along the south side of SE 8th Street is similar to the proposed

alignment on the north side of SE 8th Street; however, the environmental impact would be greater due to the scour potential of Sturtevant Creek.

Other alignments were considered such as utilizing SE 6th; however, the grades and depths needed to connect to the existing facilities on Bellevue Way were prohibitive. For example to use SE 6th, the pipeline would have to be approximately 40-feet below grade.

v. The ability of both permanent and temporary disturbance to be mitigated

Applicant's Response:

The proposed project would result in temporary effects to wetland and stream habitat; mitigation is addressed in the critical areas report submitted separately for this project.

b. If the applicant demonstrates that no technically feasible alternative with less impact on the critical area or critical area buffer exists, then the applicant shall comply with the following:

i. Location and design shall result in the least impacts on the critical area or critical area buffer;

Applicant Response:

The project avoids and minimizes effects to critical areas to the extent practicable; however, the project would result in temporary impacts to wetland and stream habitat which would be addressed in a separate Critical Areas Study. No permanent impacts to wetlands are anticipated to occur as a result of the project. Following construction, open-cut trenches would be backfilled and areas would be restored with suitable vegetation.

ii. Disturbance of the critical area and critical area buffer, including disturbance of vegetation and soils, shall be minimized;

Applicant Response:

Disturbance to wetlands and buffers in the project area would be minimized to the amount necessary for construction of the project features and are further addressed in a separate Critical Areas Study. The contractor will be limited to a much narrower construction area within the critical areas than the width allowed throughout the remainder of the project.

iii. Disturbance shall not occur in habitat used for salmonid rearing or spawning or by any species of local importance unless no other technically feasible location exists;

Applicant Response:

Temporary disturbance would occur in Sturtevant Creek for pipe installation. Stream impacts are addressed in a separate Critical Areas Study. The design team will work closely with the regulatory agencies to ensure construction activities will not affect habitat for salmonids or other species of local importance.

iv. Any crossing over of a wetland or stream shall be designed to minimize critical area and critical area buffer coverage and critical area and critical area buffer disturbance, for example by use of bridge, boring, or open cut and perpendicular crossings, and shall be the minimum width necessary to accommodate the intended function or objective; provided, that the Director may require that the facility be designed to accommodate additional facilities where the likelihood of additional facilities exists, and one consolidated corridor would result in fewer impacts to the critical area or critical area buffer than multiple intrusions into the critical area or critical area buffer;

Applicant Response:

The trench width within wetlands and stream would be minimized to the extent practicable, about 6 to 8 feet wide. The contractor will be limited to a smaller work disturbance area in the wetland, stream, and buffers than what will be available to them in other parts of the pipeline alignment.

v. All work shall be consistent with applicable City of Bellevue codes and standards;

Applicant Response:

The proposed project would comply with LUC 20.25H. 055(C) as applicable and described in this document.

vi The facility or system shall not have a significant adverse impact on overall aquatic area flow peaks, duration or volume or flood storage capacity, or hydroperiod;

Applicant Response:

The proposed project will not have a significant adverse impact on overall aquatic area flow peaks, duration or volume or flood storage capacity, or hydroperiod. A scour analysis (JACOBS, 2014) has been prepared that demonstrates no adverse impacts on stream flow. The stream crossing, including the installation of the temporary stream bypass would occur during the US Army Corps of Engineers (USACE) in-water work window (July 1-August 31).

vii. Associated parking and other support functions, including, for example, mechanical equipment and maintenance sheds, must be located outside critical area or critical area buffer except where no feasible alternative exists; and

Applicant Response:

Not applicable. There is no associated parking or other support functions that are proposed as part of this project.

viii. Areas of new permanent disturbance and all areas of temporary disturbance shall be mitigated and/or restored pursuant to a mitigation and restoration plan meeting the requirements of LUC 20.25H.210.

Applicant Response:

The proposed project would avoid or minimize impacts to wetlands and buffers wherever feasible. However, total avoidance would not be possible due to numerous utility conflicts, poor soils, the complicated design of SE 8th that could compromise the structural stability of the pavement, and the design constraints posed by the downstream utility facilities. All unavoidable impacts to critical areas would be mitigated as required by federal, state, and City requirements (LUC 20.25H). The project would restore all temporary impact areas on wetlands and Sturtevant Creek.

Detailed Project Elements

Clearing and Grading Activities

The purpose of clearing and grading is to prepare the new segments of the pipeline corridor for construction. The majority of the grading would occur within the existing pavement including sidewalk, except for the wetland area along SE 8th Street. A 40-foot wide construction area is required along the alignment to allow for heavy equipment access. This would result in the temporary disturbance of approximately 0.023 acres of vegetation in the wetland. The entire project would result in the removal of 34 trees located along the sidewalk and are outside of the wetland associated with Sturtevant Creek, ranging in size between 8 and 12-inches diameter at breast height. The majority of other vegetation affected by clearing and grading activities is comprised of maintained landscape areas or weedy patches dominated by Himalayan blackberry (*Rubus armeniacus*). Areas now vegetated and cleared for construction would be restored with new plantings and/or hydroseeding. Sidewalks in the project vicinity, a pedestrian bridge at the Sturtevant Creek crossing, and three light poles would also be removed and replaced.

Pile Installation

Geotechnical investigations conducted for this project conclude that soil conditions along SE 8th Street consists of fill overlying soft, compressible peat over lacustrine and alluvial deposits. Based on these subsurface conditions, the new pipeline would need to be supported on piles for

the portion of the project along SE 8th Street. The new sewer line would require pilings to support the pipe and manholes to prevent excessive settlement and potential breakage of the pipeline. The pile supports consist of an auger-cast piling with a precast pile cap. Each piling is expected to be 18-inches in diameter. The spacing between pile supports is anticipated to be 18-feet. The piles would be installed by rotating a continuous flight hollow shaft auger into the soil to a specified depth or to refusal. High strength sand cement grout is pumped through the hollow shaft as the auger is slowly withdrawn. Reinforcing steel is then inserted into the grout filled hole to the correct elevation and the resulting grout column cures to form an augercast pile. After the piles have cured, the precast cap and saddles would be installed. Approximately 72 auger-cast piles would be installed along the portion of the project alignment on SE 8th Street.

Sheet Pile Shoring

Sheet piles would be installed to provide excavation support within the pile-supported section of the pipeline, in the vicinity of the wetlands along SE 8th Street. This would involve driving of steel sheet piles using a percussive or vibratory hammer.

Trenching and Pipeline Installation

Trenching, which involves excavating ditches to install the underground pipe sections, would be accomplished using track hoe-type excavation equipment. In uplands and wetlands, the trench width would be about 6 to 8 feet. Trench spoils would be stockpiled adjacent to the trench within the construction work area. Following trench excavation, pipe bedding and pile caps would be installed. The new pipe would then be laid within the trench section at the designated elevations. Trenches would be backfilled with suitable excavated material or imported lightweight backfill material. For the portion of the pipeline route where topsoil replacement is required, the topsoil would be spread over the top 18-inches of the disturbed corridor and the replanting area. In disturbed wetlands, the top 18-inches of wetland soils would be stockpiled on-site and used to restore the top 18-inches of the backfilled trench. After the preconstruction contours have been restored vegetated areas would be replanted.

Sturtevant Creek Crossings

Sturtevant Creek would be crossed twice; the northern crossing on the east side of I-405 of a piped section of the Creek and the southern crossing of an open creek channel at SE 8th Street. The northern crossing would be accomplished by trenchless methods installed below the existing culvert that conveys the flow of Sturtevant Creek. The southern crossing would be accomplished using open-cut trenching using a temporary stream bypass to allow the pipe installation to occur in dry conditions and limit the likelihood of sediment entering the downstream portions of Sturtevant Creek. The stream crossing, including the installation of the temporary stream bypass would occur during the USACE in-water work window (July 1 – August 31). The isolation of the work area for the southern Sturtevant Creek crossing would be accomplished by installing a temporary coffer dam upstream and downstream of the pipeline crossing. Sheet piles or inflatable aqua bags would be used to construct the temporary coffer

dams and would likely be installed about 4 to 10 feet upstream of the open-cut pipeline trench. Flows within Sturtevant Creek would bypass the trench in a pipe. Due to the flat nature of the crossing location, bypass flows would be pumped from the upstream to the downstream portions of the Sturtevant Creek channel. The bypass system would be sized to pass flows during the in-water work window and to account for minor storm events. Pump diversions would be screened at the intake, and a fish exclusion screen would be installed approximately 10 feet upstream of the coffer dam. To prevent scour at the downstream end of the bypass pipe, river cobbles or a dispersion bag would be placed along the streambed to dissipate energy/flow. Once the stream bypass has been installed the stream crossing work area would be dewatered using pumps.

At the crossing, the trench would be excavated 8 to 10 feet below the streambed. The bottom width of the trench would be approximately 6 to 8 feet wide to accommodate the pipe, bedding, and backfill. Excess excavated material would be temporarily stockpiled in adjacent areas above the ordinary high water mark or hauled off site. Following trenching, the pipe would be installed across the channel. It would be buried so that the top of the pipe is at least 2-feet below the existing streambed elevation. The pipe would be bedded and the trench would be backfilled with imported granular bedding and crushed rock. Native or imported streambed gravels would be placed above the pipe to restore the streambed to pre-construction conditions.

It is anticipated that the existing sewer pipe within the channel would be removed once the installation of the new pipe is installed. Currently, the existing pipe is exposed within the streambed acting as a shallow weir impeding stream flow, and may act as a fish barrier at certain flows. Exposure of the pipeline also subjects it to the risk of puncture or washout and any breakage would result in serious water quality impacts. Approximately 20 feet of the pipeline would be removed from the existing alignment within the channel once the new sewer is in service, and the remainder of the existing pipeline would be abandoned in place. In addition to the removal of the existing pipe, a 12-inch diameter overflow pipe that is located on the left bank of the stream under the pedestrian bridge would be removed during construction. After the existing pipes are taken out of the streambed, native or imported streambed gravels would be placed.

Prior to dewatering, qualified fish biologists would ensure that all fish are safely removed from behind the coffer dams and relocated safe distances upstream of the work area. If electrofishing equipment is used to capture fish, National Marine Fisheries Service (2000) electrofishing guidelines would be followed.

ENVIRONMENTAL CHECKLIST

10/9/2009

Thank you in advance for your cooperation and adherence to these procedures. If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit or call Development Services (425-452-6800) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Assistance for the hearing impaired: Dial 711 (Telecommunications Relay Service).

INTRODUCTION

Purpose of the Checklist:

The State Environmental Policy Act (SEPA), Chapter 43.21c RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the City of Bellevue identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the City decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Answer the questions briefly, with the most precise information known, or give the best description you can. You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer or if a question does not apply to your proposal, write "do not know" or "does not apply." Giving complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the Planner in the Permit Center can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. Include reference to any reports on studies that you are aware of which are relevant to the answers you provide. The City may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impacts.

Use of a Checklist for Nonproject Proposals: *A nonproject proposal includes plans, policies, and programs where actions are different or broader than a single site-specific proposal.*

For nonproject proposals, complete the Environmental Checklist even though you may answer "does not apply" to most questions. In addition, complete the Supplemental Sheet for Nonproject Actions available from Permit Processing.

For nonproject actions, the references in the checklist to the words *project*, *applicant*, and *property* or *site* should be read as *proposal*, *proposer*, and *affected geographic area*, respectively.

Attach an 8 ½" x 11 vicinity map which accurately locates the proposed site.

BACKGROUND INFORMATION

Property Owner: City of Bellevue/Bellefield Office Park

Proponent: City of Bellevue, Utilities Division

Contact Person: Brandon Cole, City of Bellevue
(If different from the owner. All questions and correspondence will be directed to the individual listed.)

Address: P.O. Box 90012 Bellevue, WA 98009

Phone: 425-452-4474

Proposal Title: City of Bellevue Wilburton Sewer Capacity Upgrade

Proposal Location: Between Main Street and SE 8th Street, crossing Interstate 405 (I-405), and along 114th Ave SE. Bellevue, WA 98009.
(Street address and nearest cross street or intersection) Provide a legal description if available.

Please attach an 8 ½" x 11" vicinity map that accurately locates the proposal site.

Give an accurate, brief description of the proposal's scope and nature:

1. General description: The City of Bellevue (City) is proposing to replace sewers to increase capacity and to accommodate projected future higher density, mixed-use redevelopment in the Wilburton service area located east of the I-405 corridor between NE 8th Street and SE 8th Street. This area is served by a gravity sewer trunk line, and portions are currently at capacity. The project would replace approximately 4,300 lineal feet of existing 8-inch to 16-inch sewer lines with larger diameter pipelines that would generally follow the existing alignment. Major construction elements for the proposed project include the following: clearing and grading along the pipeline route, construction of pile supports along SE 8th Street, trenching along the pipeline route, construction of a stream bypass and open-cut construction in the streambed of a dewatered Sturtevant Creek, and then post-construction site restoration.

2. Acreage of site: Approximately 5 acres

3. Number of dwelling units/buildings to be demolished: None.

4. Number of dwelling units/buildings to be constructed: None.

5. Square footage of buildings to be demolished: Not applicable.

6. Square footage of buildings to be constructed: Not applicable.

7. Quantity of earth movement (in cubic yards): 19,200 cubic yards

8. Proposed land use: Utility pipeline

9. Design features, including building height, number of stories and proposed exterior materials:
Not applicable.

10. Other

Estimated date of completion of the proposal or timing of phasing: Spring 2015 to Summer 2016.

Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

There are no anticipated plans for future additions, expansion or further activity related to the proposed project.

List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

- Critical Areas Report (HDR, 2014)
- Wetland and Stream Delineation Report, S-60 Wilburton Sewer Capacity Upgrade Project (HDR, 2014)
- Draft Geotechnical Report for S-60 Wilburton Sewer Capacity Upgrade (PanGeo, 2013)
- Biological Evaluation S-60 Wilburton Sewer Capacity Upgrade Project (HDR, 2014)
- Class III Archaeological Survey (Jacobs, 2014)

Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. List dates applied for and file numbers, if known.

There are no applications pending for approvals of other proposals directly affecting this property.

List any government approvals or permits that will be needed for your proposal, if known. If permits have been applied for, list application date and file numbers, if known.

- City of Bellevue, Shoreline Substantial Development Permit
- City of Bellevue, Clearing and Grading Permit
- City of Bellevue, Critical Area Land Use Permit
- City of Bellevue, Right-of-Way Permit
- WA Dept. of Fish and Wildlife, Hydraulic Project Approval (HPA)
- U.S. Army Corps of Engineers, Section 404 Permit, April 2014, in process
- WA Dept. of Ecology, Section 401 Water Quality Certification
- WSDOT Utility Permit
- WSDOT General Permit

**Please provide one or more of the following exhibits, if applicable to your proposal.
(Please check appropriate box(es) for exhibits submitted with your proposal):**

- Land Use Reclassification (rezone) Map of existing and proposed zoning**
- Preliminary Plat or Planned Unit Development**
Preliminary plat map
- Clearing & Grading Permit**
Plan of existing and proposed grading
Development plans
- Building Permit (or Design Review)**
Site plan
Clearing & grading plan
- Shoreline Management Permit**
Site plan

A. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site: X Flat Rolling Hilly Steep slopes Mountains Other

b. What is the steepest slope on the site (approximate percent slope)?

The City of Bellevue defines steep slopes as slopes of 40 percent or more that have a rise of at least 10 feet and exceed 1,000 square feet in area (LUC 20.25H.120). No steep slopes are identified in the project area. The surface elevation of the study area ranges from about 48 feet at the east end of the I-405 undercrossing to 67 feet at Main Street.

c. What general types of soil are found on the site (for example, clay, sand, gravel, peat, and muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Per the geotechnical report (PanGEO, 2013) completed for the project, soils along the SE 8th Street alignment consist of fill overlying soft, compressible peat which in turn overlies lacustrine and alluvial deposits which overlie competent glacial drift at depth. The 114th Avenue SE alignment and alignment east of I-405 are underlain by fill, over recent loose to dense alluvium and lacustrine beds, underlain by dense glacially consolidated soil.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

Highly compressible peat underlies SE 8th Street. The pipeline will require pile support due to these soft soils as well as have limitations on the amount of backfill placed over the pipeline to avoid overstressing and potential damage to the pipeline.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

Trenching would occur along the proposed pipeline alignment to install the underground pipe sections. This would require excavation of 19,200 cubic yards of material; trench spoils would be stockpiled adjacent to the trench within the construction work area. Approximately 19,200 cubic yards of backfilling is proposed. Fill would be composed of pipe bedding, pile caps, and backfill with excavated material or imported lightweight backfill material. Excess excavated materials would be disposed of at an approved location.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Minor surface erosion could occur as a result of construction activities and vegetation removal in the project area. All applicable BMPs and temporary erosion and sediment control would be required and defined in the engineering plans for the project.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

Not applicable; new impervious surfaces would not be created as a result of the proposed project.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

To minimize erosion that may occur during construction, a Temporary Erosion and Sediment Control plan (TESC) and an approved Construction Stormwater Pollution Prevention Plan (CSWPPP) would be prepared by a licensed professional engineer and would include the use of standard BMPs.

2. AIR

a. What types of emissions to the air would result from the proposal (i.e. dust, automobile odors, and industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Short term, temporary air emissions may occur during construction from equipment such as vehicle exhaust and possible dust. The project would not result in air emissions once completed.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

There are no known off-site sources of emissions or odor that may affect this proposal.

c. Proposed measures to reduce or control emissions or other impacts to the air, if any:

If necessary, BMPs would be used to control temporary air pollutant emissions in construction areas. Those may consist of requiring proper maintenance of construction equipment, avoiding prolonged idling of vehicles, and spraying water to minimize dust.

3. WATER

a. Surface

(1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

There are 3 wetlands and one stream within the immediate vicinity of the project area:

- Sturtevant Creek Wetland, Category II
- Wetland 1, Category IV
- Wetland 2, Category IV
- Sturtevant Creek, flows into Mercer Slough

See Figure 2 for a map of wetland and streams within the project area.

(2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If Yes, please describe and attach available plans.

Yes, work would occur in the Sturtevant Creek Wetland, Wetland 1 and Sturtevant Creek and within their buffers. Work in each of these areas is described below:

- **Clearing:** Temporary clearing of vegetation in the Sturtevant Creek Wetland 1 and buffers would create approximately 0.023 acres of vegetation disturbance in the wetland.
- **Trenching:** Ditches 6 to 8 feet wide would be excavated in the Sturtevant Creek Wetland, Wetland 1, Sturtevant Creek, and associated buffers to install sections of the pipe underground. Trench spoils would be stockpiled adjacent to the trench in the construction work area. Following trench excavation, pipe bedding and pile caps would be installed. The new pipe would then be laid within the trench section at the designated elevations. The trench would then be backfilled with suitable material from the excavation or imported lightweight backfill material. The top 18-inches of soils in wetland buffer would be stockpiled on-site and used to restore the top 18-inches of the backfilled trench. After the preconstruction contours have been restored, vegetated areas would be replanted.
- **Temporary Sheet Pile Shoring:** The new sewer line along SE 8th Street would require pilings to

support the pipe and manholes to prevent excessive settlement and potential breakage of the pipeline. Sheet piles would be installed to provide excavation support in wetland buffers along SE 8th Street. Pile driving would involve driving steel sheet piles using a percussive or vibratory hammer. Each pile is 18-inches in diameter and spacing between pile supports is expected to be 18-feet. Piles would be installed by rotating a continuous flight hollow shaft auger into the soil to a specified depth or to refusal. High strength sand cement grout is pumped through the hollow shaft as the auger is slowly withdrawn. Reinforcing steel is then inserted into the grout filled hole to the correct elevation and the resulting grout column cures to form an auger-cast pile. After the piles have cured, the precast cap and saddles would be installed. Approximately 72 auger-cast piles would be installed along the portion of the project alignment on SE 8th Street. Two manholes, approximately 5 feet in diameter, would be permanently installed in the Sturtevant Creek Wetland buffer.

(3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

A total of 3,200 cubic yards of material would be excavated from trenches in Wetland 1, the Sturtevant Creek Wetland, and Sturtevant Creek. The same amount of material would be backfilled once the pipeline is installed in the trench. The source of fill would be suitable excavated material or imported lightweight backfill material. For the portion of the pipeline route where topsoil replacement is required, the topsoil would be spread over the disturbed corridor and the area replanted. In wetlands, the top 18-inches of wetland soils would be stockpiled on-site and used to restore the top 18-inches of the backfilled trench. In the stream channel, no new fill would be placed directly into the stream channel. Excess excavated material would be temporarily stockpiled in adjacent areas above ordinary high water or hauled off-site.

(4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

Pipe installation at Sturtevant Creek would require one surface water diversion at the southern portion of the stream. The southern crossing would be accomplished using open-cut trenching. Trenching would occur by installing a temporary stream bypass to allow pipe installation to occur in dry conditions and limit the likelihood that sediment enters downstream portions of Sturtevant Creek. Isolation of the work area would be accomplished by installing a temporary coffer dam upstream and downstream of the pipeline crossing. Sheet piles or inflatable aqua bags would be used to construct the temporary coffer dams and would likely be installed about 4 to 10 feet upstream of the open-cut pipeline trench. Flows within Sturtevant Creek would bypass the trench in a pipe. Due to the flat nature of the crossing location, bypass flows would be pumped from the upstream to the downstream portions of the Sturtevant Creek channel. The bypass system would be sized to pass flows during the in-water work window to account for minor storm events. Once the stream bypass has been installed the stream crossing work area would be dewatered using pumps.

(5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

The proposed project is not within a 100-year floodplain.

(6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No discharge of waste materials to surface waters is proposed as part of this project.

b. Ground

(1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description.

Ground water would be withdrawn as needed to dewater the excavations necessary to install the proposed pipeline along SE 8th Street and the rest of the project alignment. Dewatering will be accomplished with conventional sumps placed in the bottom of the trench. Based on soils documented in the geotech report, it is estimated that flow rates per 100 feet of trench excavation may be less than about 10 to 15 gallons per minute.

(2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.) Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

No waste material would be discharged into the ground as part of this project.

c. Water Runoff (Including storm water)

(1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

The main source of runoff during and after construction would be rainfall and stormwater. Standard BMPs would be implemented during construction to minimize any runoff that may occur as outlined in the TESC plan. Currently, runoff from SE 8th Street flows into the Sturtevant Creek Wetland via a culvert located at the west end of the wetland. Water in the wetland exchanges with Sturtevant Creek which runs through the middle of the wetland via overbank flooding. Sturtevant Creek eventually flows into Mercer Slough downstream.

(2) Could waste materials enter ground or surface waters? If so, generally describe.

There are no known sources of waste materials that would occur as a result of this project that may enter ground or surface waters.

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

Any unanticipated runoff during construction would be controlled using BMPs outlined in the TESC plan.

4. Plants

a. Check or circle types of vegetation found on the site:

X deciduous tree: alder, maple, aspen, **other:** Pacific flowering dogwood, Pacific willow, black cottonwood

X evergreen tree: fir, cedar, pine, **other:** Douglas fir

X shrubs: Bayberry

X grass: Velvet grass, reed canary grass, red fescue, creeping buttercup

pasture

crop or grain

wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other: duckweed, fringed willowherb

water plants: water lily, eelgrass, milfoil, other

other types of vegetation: Himalayan blackberry, fireweed, chickweed, climbing nightshade, stinging nettle, western bittercress, English ivy

b. What kind and amount of vegetation will be removed or altered?

Approximately 1.2 acres of vegetation would be removed for the proposed project. The majority of vegetation affected by clearing and grading activities is comprised of maintained landscape areas or weedy patches dominated by Himalayan blackberry. The entire project would result in the removal of 34 trees that are greater than 6-inch diameter at breast height. Approximately 27 of these trees would be removed from wetland and stream buffer areas. Areas now vegetated and cleared for construction would be restored with new plantings and/or hydroseeding after construction activities are complete.

c. List threatened or endangered species known to be on or near the site.

There are no known occurrences of listed threatened or endangered plant species within the project area.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

The areas temporarily disturbed would be replanted with similar or better wetland vegetation. Design of the planting plan and palette are in progress and would be submitted as a supplement in the near future.

5. ANIMALS

a. Check or circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

X Birds: hawk, heron, eagle, songbirds, other:

X Mammals: deer, bear, elk, beaver, other:

X Fish: bass, salmon, trout, herring, shellfish, other: Puget Sound Chinook, Puget Sound steelhead and coho salmon.

b. List any threatened or endangered species known to be on or near the site.

The following federally-listed species may occur in the project area:

- Puget Sound Chinook salmon (*Oncorhynchus tshawytscha*)
- Puget Sound Steelhead (*Oncorhynchus mykiss*)
- Coastal Puget Sound Bull Trout (*Salvelinus confluentus*)

c. Is the site part of a migration route? If so, explain.

The project area lies within the Pacific Flyway, an avian migratory corridor consisting of western coastal areas of South, Central and North America. There are no known waterfowl concentration areas or significant habitat resources within the project vicinity.

As impacts are not anticipated, measures to enhance wildlife are not proposed.

6. Energy and Natural Resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy need? Describe whether it will be used for heating, manufacturing, etc.

Electricity will be used for the impressed current cathodic protection system for the ductile iron pipeline along SE 8th Street.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

The project would not affect the potential use of solar energy by adjacent properties.

c. What kinds of energy conservation features are included in the plans of the proposal? List other proposed measures to reduce or control energy impacts, if any:

No energy conservation features are included in the plans of this proposal.

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

No environmental health hazards are anticipated to occur as a result of this proposal.

(1) Describe special emergency services that might be required.

No special emergency service needs are anticipated for the proposed project.

(2) Proposed measures to reduce or control environmental health hazards, if any.

The selected contractor would be required to provide an emergency response plan and practice proper hazardous material storage, handling, and emergency procedures including spill notification and response requirements. BMPs would be in place to minimize any impacts to environmental health.

b. Noise

(1) What types of noise exist in the area which may affect your project (for example, traffic, equipment, operation, other)?

The types of noise that exist in the area consist mainly of traffic noise on I-405, SE 8th Street and 112th Avenue SE. There is no noise in the area that may affect the project.

(2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example, traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Short-term construction noise impacts would occur from construction equipment and vehicles in the

project area. Construction noise is permitted only between the hours of 7:00 a.m. and 6:00 p.m. on the weekdays, and 9:00 a.m. to 6:00 p.m. on Saturdays (Bellevue City Code 9.18.040.A.9). Page 21 of 36

(3) Proposed measures to reduce or control noise impacts, if any:

Short-term construction noise impacts would occur within the timeframe allowed under the City of Bellevue's noise ordinances (see answer 7(b)(2)).

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties?

The proposed pipeline alignment generally follows within or adjacent to developed public rights-of-way with the exception of the wetlands and Sturtevant Creek along SE 8th Street. Land uses adjacent to the proposed alignment include office park buildings, hotels, a car dealership, a commuter park-and-ride lot and I-405.

b. Has the site been used for agriculture? If so, describe.

It is unlikely that the project area has been used for agriculture. Farming is documented to occur in the past at 116th Avenue SE and NE 8th Street according to the Wilburton/NE 8th Street Subarea Plan in the City of Bellevue Comprehensive Plan (2010).

c. Describe any structures on the site.

Within the project area, an office building is located adjacent to Wetland 1 along SE 8th Street and a hotel is located along 114th Avenue SE. The existing sewer line is located below ground in the project vicinity on the north side of SE 8th Street and along 114th Ave SE before it crosses under I-405 at Main Street. The proposed project alignment would not affect any above- or below-ground structures.

d. Will any structures be demolished? If so, what?

No structures would be demolished for the proposed project.

e. What is the current zoning classification of the site?

The project is located within the roadway right-of-way and OBL- Office, Limited Business zoning classification in the Bellefield Office Park area.

f. What is the current comprehensive plan designation of the site?

The majority of the project is located within the roadway right-of-way and land use designations are not assigned to this area. The area on the Bellefield Office park property adjacent to SE 8th Street is designated as OBL- Office, Limited Business, per the City of Bellevue's Comprehensive Plan (2010).

g. If applicable, what is the current shoreline master program designation of the site?

The project is within the Shoreline Overlay District. The future designation of the project area is Urban Conservancy- Open Space per the City of Bellevue Draft Shoreline Master Program.

h. Has any part of the site been classified as an “environmentally sensitive” area? If so, specify.

Areas that are classified as environmental sensitive areas in the project area include the following:

- Wetlands: Sturtevant Creek Wetland, Wetland 1 and Wetland 2
- Streams: Sturtevant Creek
- Shoreline: Sturtevant Creek Wetland
- Habitats for Species of Local Importance: Habitats for Species of Local Importance include terrestrial and aquatic habitat types in the project area. No terrestrial species of local importance are known to be present within the study area. Species having primary association with aquatic habitat in the project area include Puget Sound Chinook and Coho Salmon.

i. Approximately how many people would reside or work in the completed project?

Not applicable; no one would reside or work in the completed project.

j. Approximately how many people would the completed project displace?

Not applicable; the proposed project would not displace any people.

k. Proposed measures to avoid or reduce displacement impacts, if any:

Not applicable; displacement would not occur.

i. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

The proposed project would replace sewers to increase capacity and to accommodate projected future higher density and mixed-use redevelopment of the Wilburton service area, which is consistent with projected land uses and plans.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

No housing units would be provided for this project.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

No housing units would be eliminated as part of this project.

c. Proposed measures to reduce or control housing impacts, if any:

Not applicable; there would be no impacts to housing.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

Not applicable; no structures are proposed for the project.

b. What views in the immediate vicinity would be altered or obstructed?

No views in the immediate vicinity would be altered or obstructed.

c. Proposed measures to reduce or control aesthetic impacts, if any:

The proposed project is an underground sewer pipeline and therefore would not have any aesthetic impacts. For areas that are cleared of vegetation, revegetation of disturbed areas would occur as soon as possible during and after construction to reduce aesthetic impacts.

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

No light or glare would be produced by the proposed project.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No, as there would not be light or glare produced from the finished project.

c. What existing off-site sources of light or glare may affect your proposal?

No existing off-site sources of light or glare would affect the proposed project.

d. Proposed measures to reduce or control light or glare impacts, if any:

There are no anticipated light or glare impacts, therefore mitigation is not proposed.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

There are no informal or designated recreational opportunities in the immediate vicinity of the project.

b. Would the proposed project displace any existing recreational uses? If so, describe.

Not applicable; there are no existing recreational activities in the immediate vicinity of the project area.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

Not applicable; impacts to recreation would not occur.

13. Historic and Cultural Preservation

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

A Class III Archaeological Survey was conducted for the proposed project area (Jacobs, 2014). The report found no significant cultural resources in the Area of Potential Affect, and concluded a finding of no historic properties affected.

In addition, the Washington Information System for Architectural and Archeological Records Data indicates no known places or objects listed, or proposed for, national, state or local preservation registers next to or on the site.

b. Generally describe any landmarks or evidence of historic, archeological, scientific, or cultural importance known to be on or next to the site.

No landmarks or evidence of historic, archeological, scientific, or cultural importance is known to be on or next to the project site.

c. Proposed measures to reduce or control impacts, if any:

As impacts are not anticipated, mitigation measures are not proposed.

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

SE 8th Street runs east/west adjacent to the proposed project and is a local arterial. 114th Ave SE runs north/south on the east side of the proposed project and is also an arterial. Main Street runs east/west at the north portion of the project area and is an arterial. All streets provide access to I-405 which is east of the project area.

b. Is the site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

King County Metro bus routes 240, 243, 246, 342 and 887 stop on SE 8th Street adjacent to the proposed project.

c. How many parking spaces would be completed project have? How many would the project eliminate?

No parking spaces would be added or eliminated.

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No new roads or streets, or improvements to existing roads or streets are proposed for the project.

e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

The proposed project would not use or occur in the immediate vicinity of water, rail or air transportation.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

The proposed project would not generate vehicular trips.

g. Proposed measures to reduce or control transportation impacts, if any:

Temporary impacts to SE 8th Street and 114th Ave SE during construction will be evaluated and mitigated as required by the City Right-of-Way Permit.

15. Public Services

a. Would the project result in an increased need for the public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

The proposed project would not result in an increased need for public services.

b. Proposed measures to reduce or control direct impacts on public services, if any:

No measures are proposed.

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

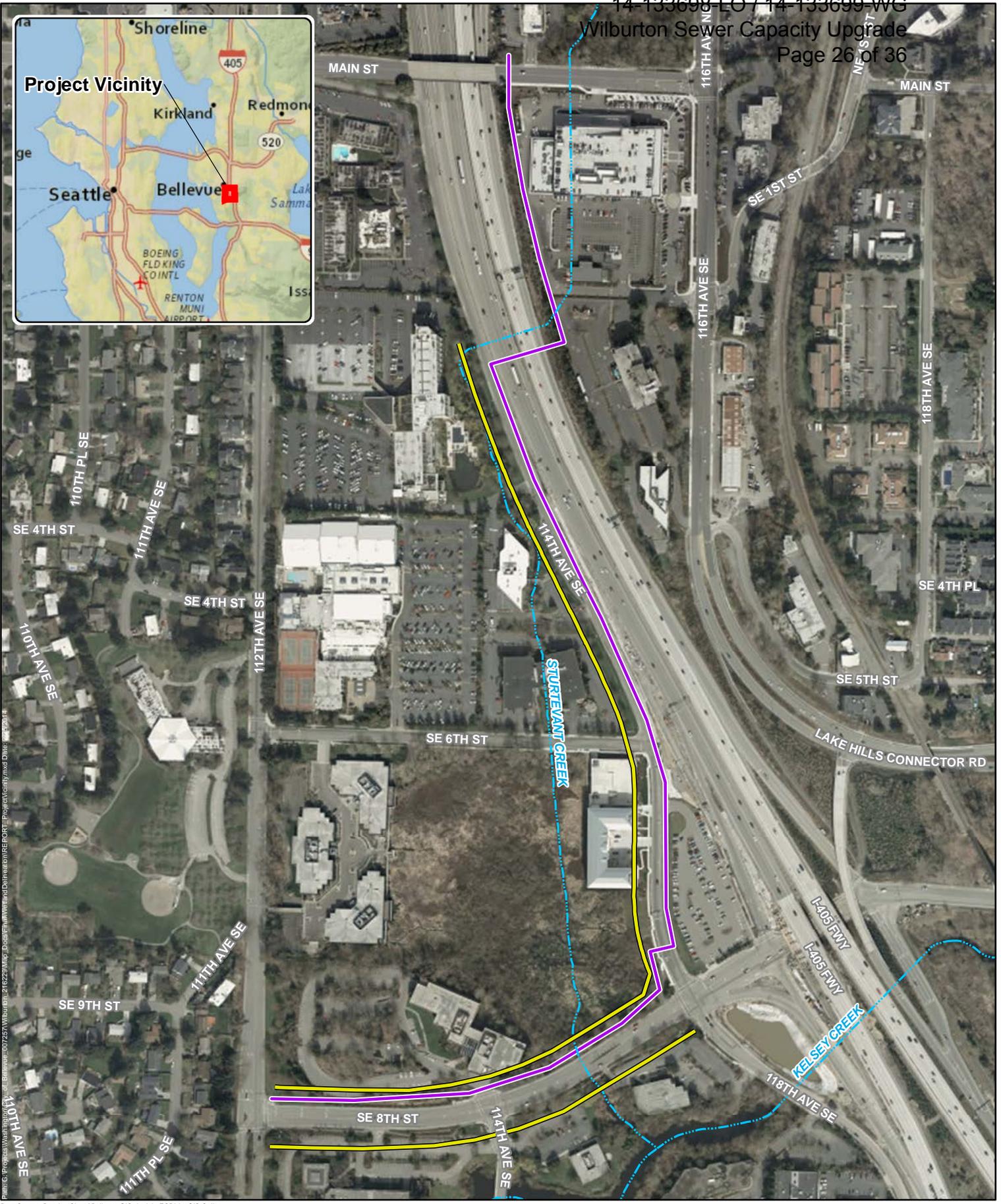
b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

The proposed project would provide a new sewer pipeline provided by the City of Bellevue. The details regarding construction activities are described in the sections above.

Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

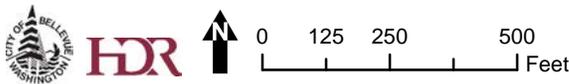
Signature. Date Submitted...6/04/2014.....



Data Source: Roads - City of Bellevue GIS; Aerial - ESRI ArcGIS Online.
 Map information was compiled from the best available public sources. HDR
 does not warrant that the information is accurate or complete.

Figure 1 - Project Vicinity Map

-  Stream
-  Proposed Alignment
-  50ft Study Area



Wilburton Sewer Capacity Upgrade Project
 City of Bellevue



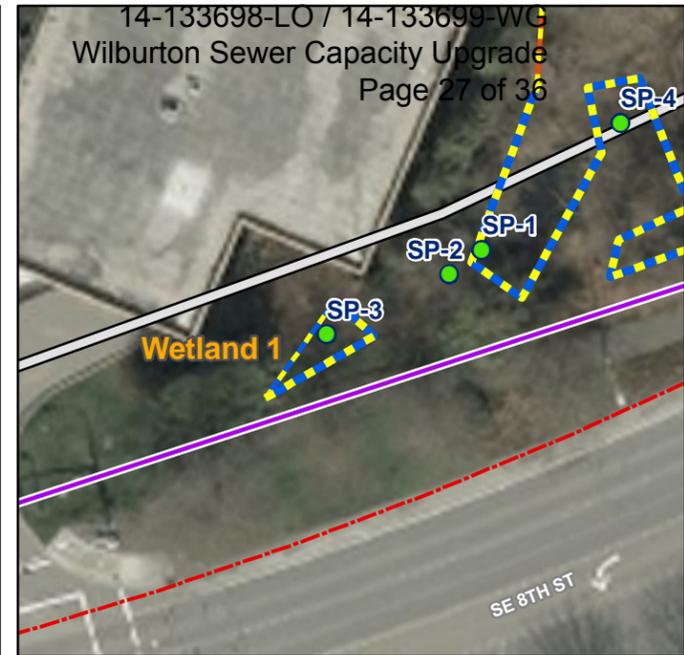
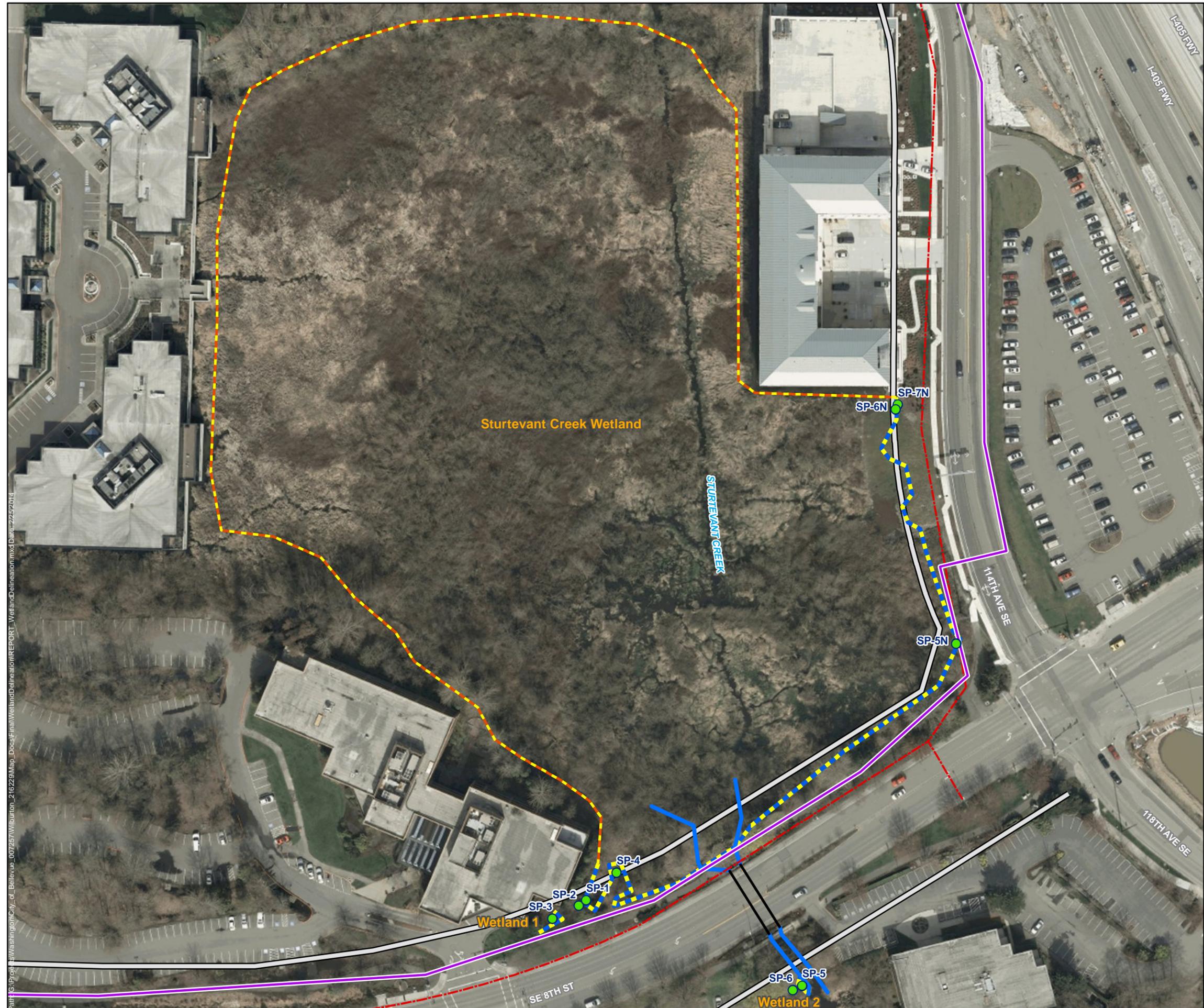


Figure 2 - Wetlands and Streams in the Project Vicinity

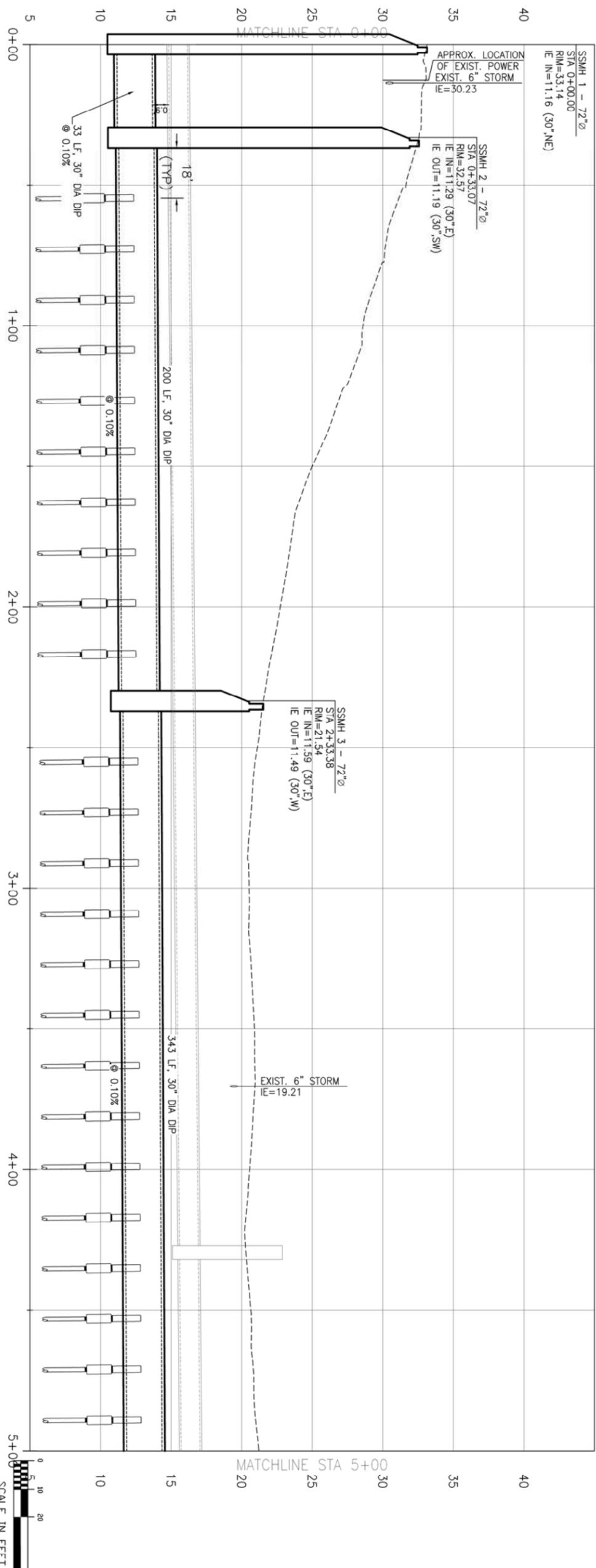
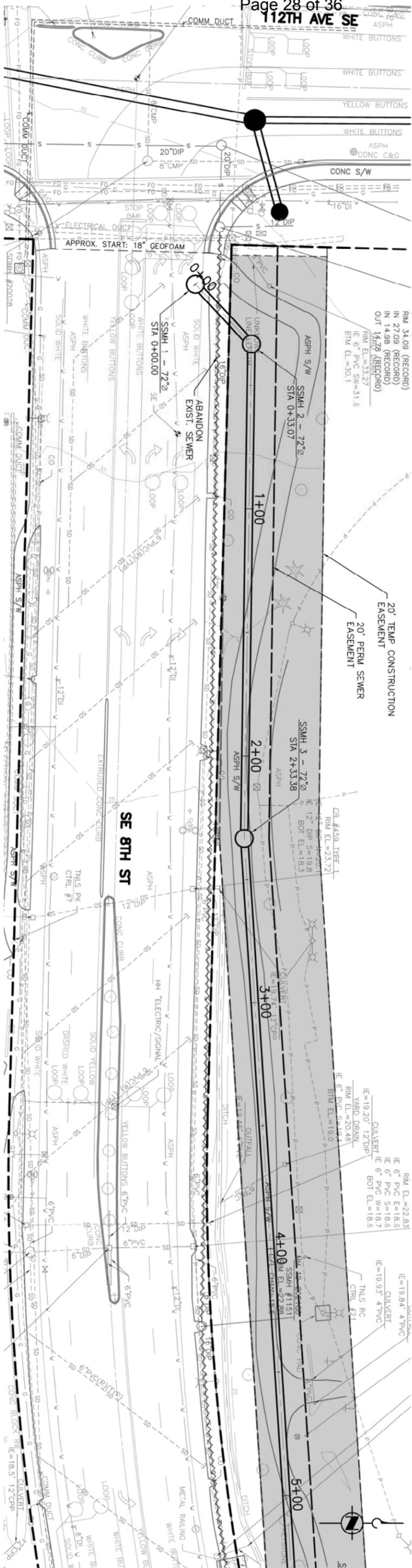
Sample Plot	50ft Study Area
Existing Alignment	Delineated bankfull width
Proposed Alignment	Wetland Boundary
Culvert	Approximate
	Delineated

0 50 100 200 Feet

Wilburton Sewer Capacity Upgrade Project
 City of Bellevue

Data Source: Proposed Alignment - Jacobs GIS; Aerial - ESRI ArcGIS Online. Map information was compiled from the best available public sources. HDR does not warrant that the information is accurate or complete.

Path: G:\Projects\Bellevue\007257\Wilburton_Docs\Final\WetlandDelineation\REPORT_WetlandDelineation.mxd Date: 2/25/2014



SCALE IN FEET

NO	DATE	BY	APPR

REVISIONS



Approved By

DESIGN MANAGER	DATE	DESIGNED BY	DATE
ERIC SCHNEY		ERIC SCHNEY	
PROJECT MANAGER		DRAWN BY	
		JAMES CHASE	
		CHECKED BY	



City of Bellevue UTILITIES

WILBURTON SEWER CAPACITY
 UPGRADE PROJECT
 OPTION A - SHEET 1
 SECTION 1 OF 9

NO	DATE	BY	APPR	REVISIONS

JACOBS PRE-DESIGN PLAN SET

Approved By

DESIGN MANAGER
 PROJECT MANAGER

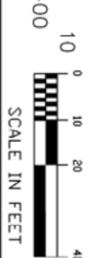
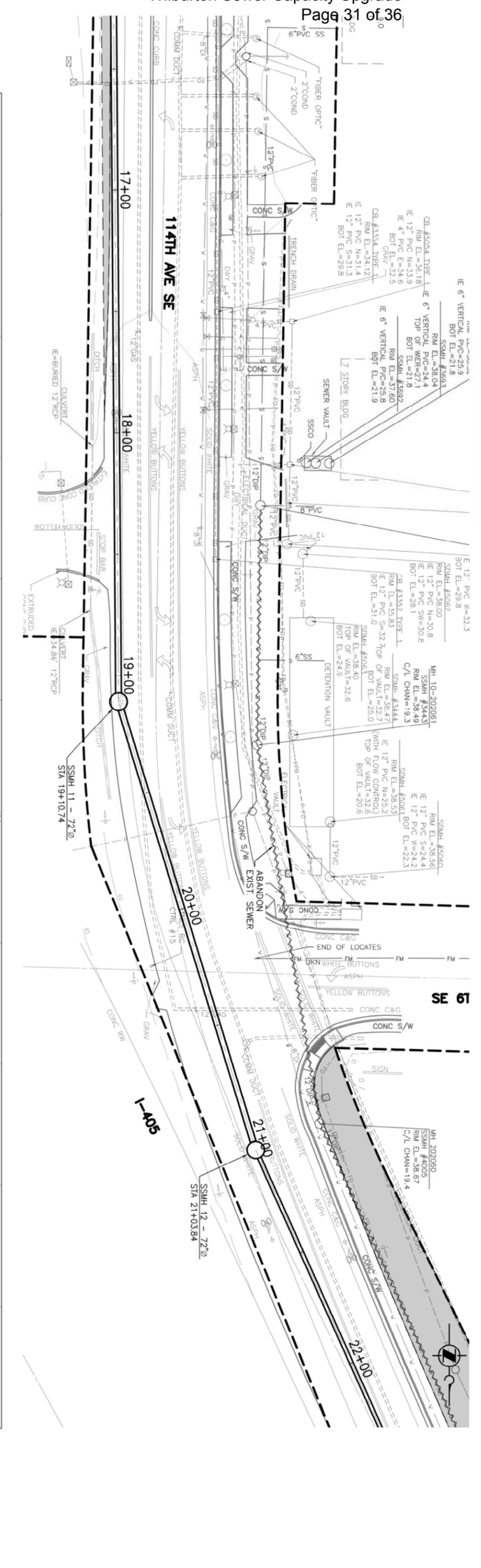
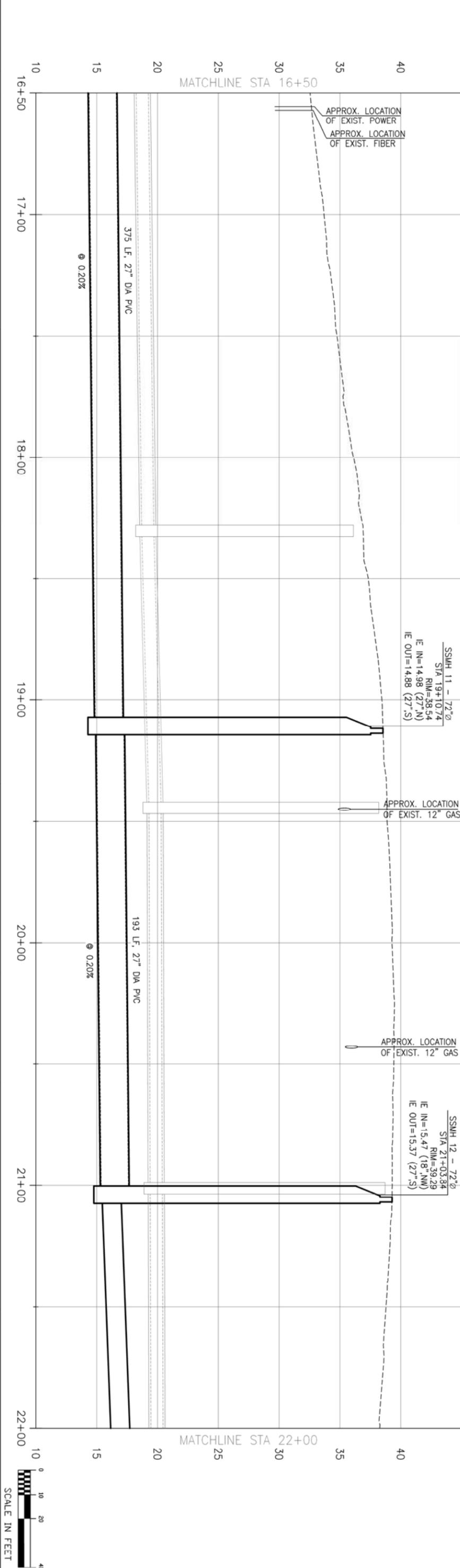
ERIC SCHNEY
 DESIGNED BY
 ERIC SCHNEY
 DRAWN BY
 JAMES CHASE
 CHECKED BY

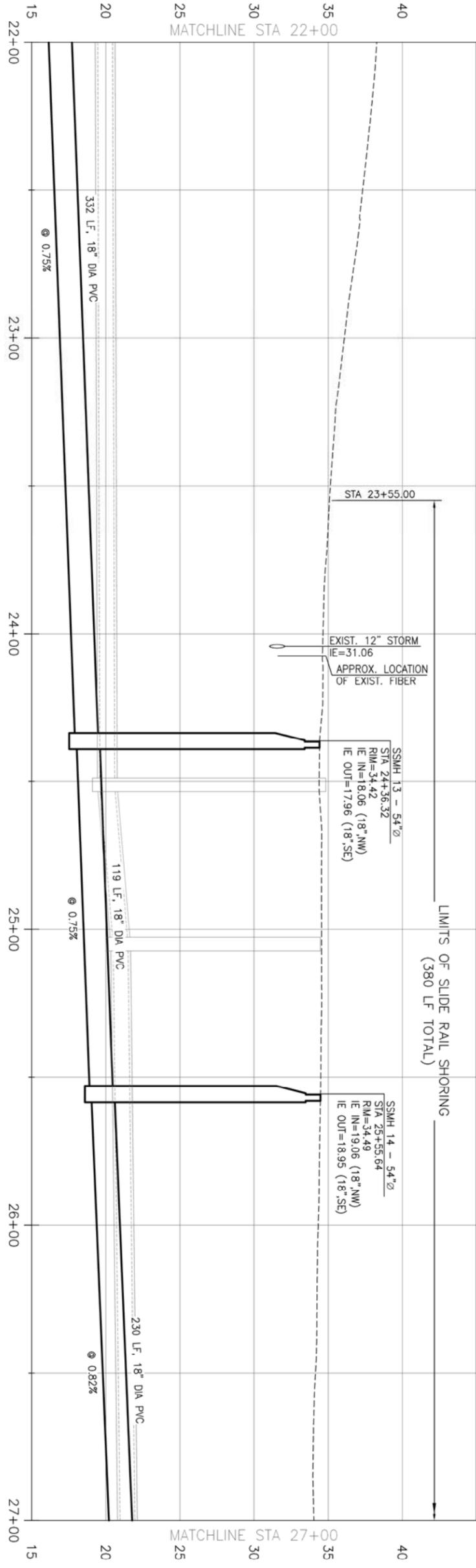
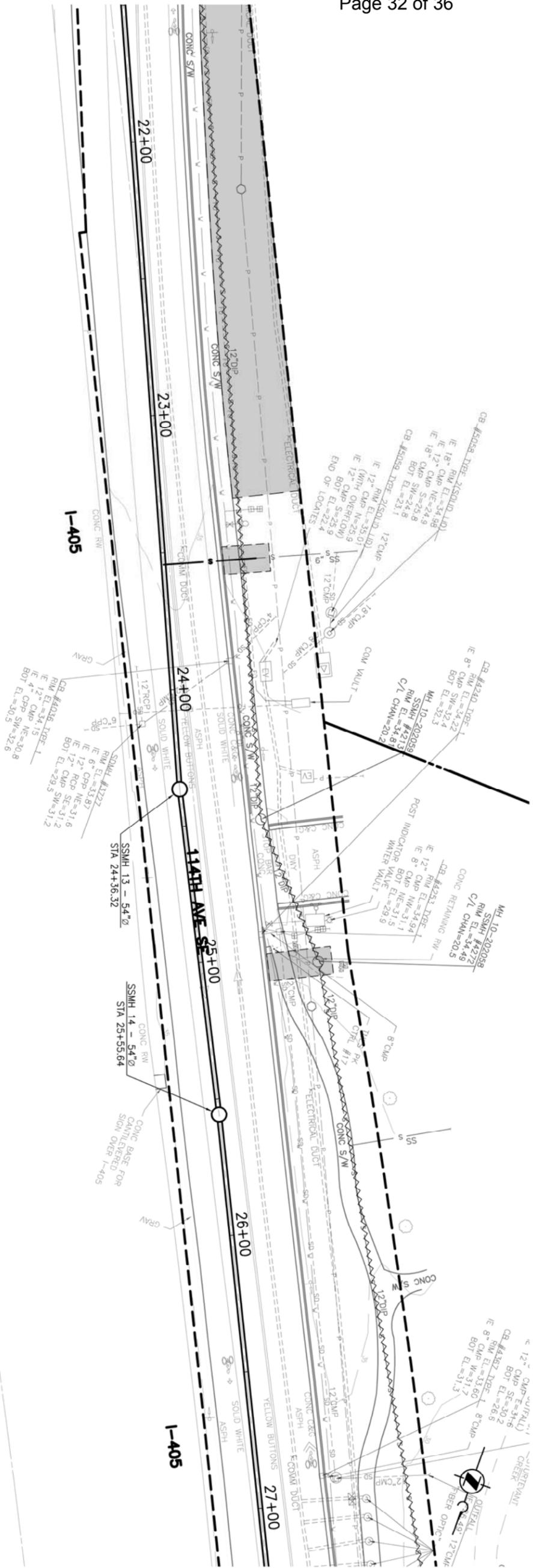


City of Bellevue
 UTILITIES

WILBURTON SEWER CAPACITY
 UPGRADE PROJECT
 OPTION A - SHEET 4

SECTION 4 OF 9





NO	DATE	BY	APPR	REVISIONS



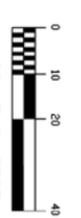
Approved By

DESIGN MANAGER	DATE	PROJECT MANAGER	DATE
ERIC SCHNEY <td> </td> <td> </td> <td> </td>			
ERIC SCHNEY <td> </td> <td> </td> <td> </td>			
JAMES CHASE <td> </td> <td> </td> <td> </td>			

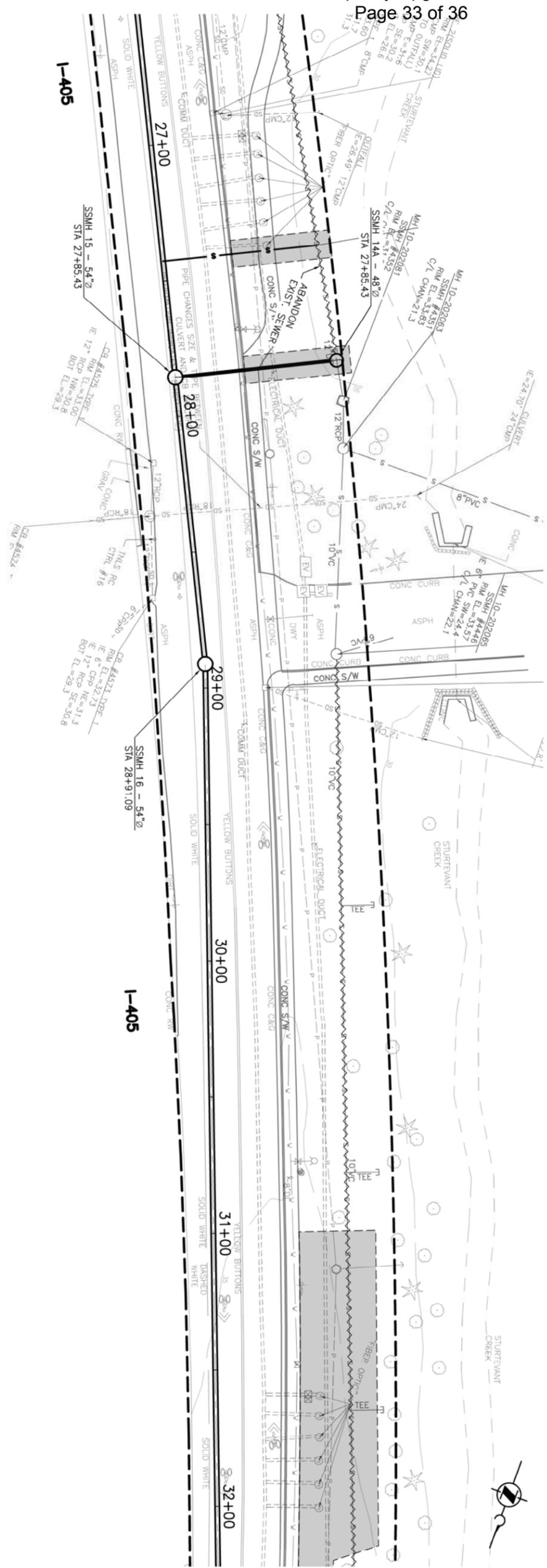
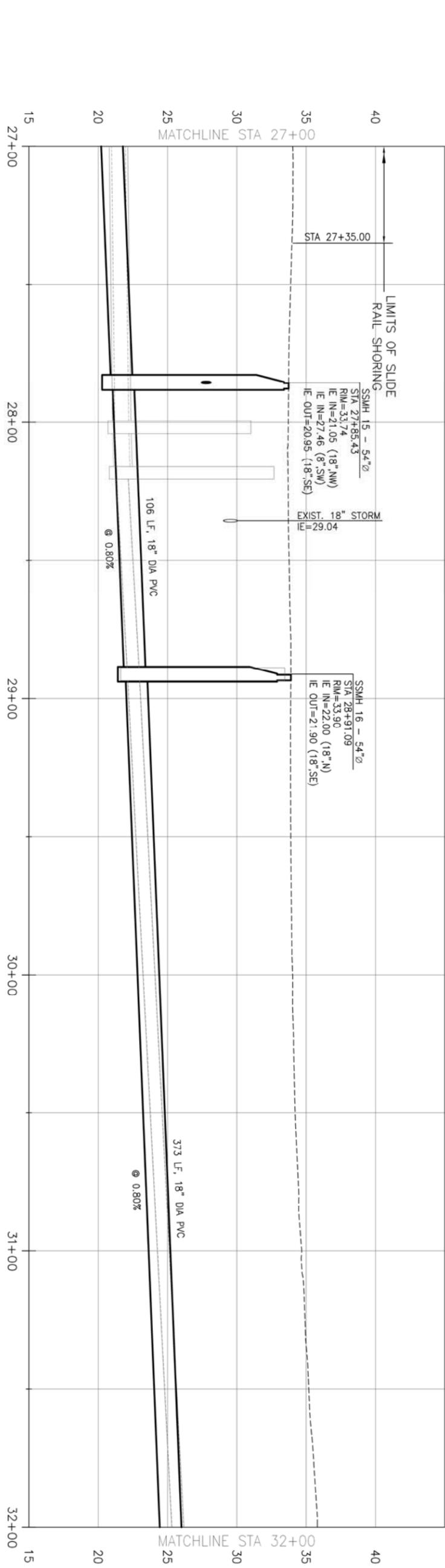
DESIGNED BY	DATE	CHECKED BY	DATE
ERIC SCHNEY <td> </td> <td>JAMES CHASE <td> </td> </td>		JAMES CHASE <td> </td>	
ERIC SCHNEY <td> </td> <td> </td> <td> </td>			



WILBURTON SEWER CAPACITY
 UPGRADE PROJECT
 OPTION A - SHEET 5



SECTION 5 OF 9



NO	DATE	BY	APPR	REVISIONS



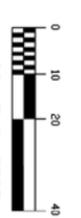
Approved By

DESIGN MANAGER	DATE
PROJECT MANAGER	DATE

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE



WILBURTON SEWER CAPACITY
 UPGRADE PROJECT
 OPTION A - SHEET 6

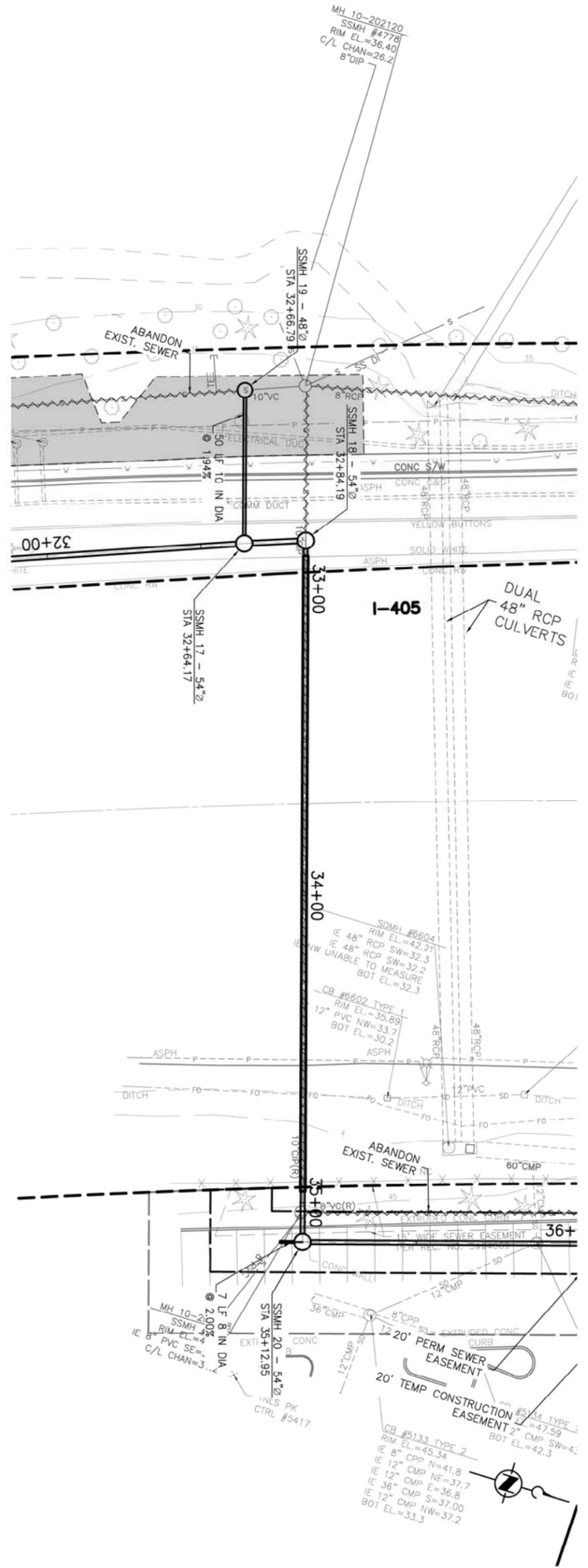
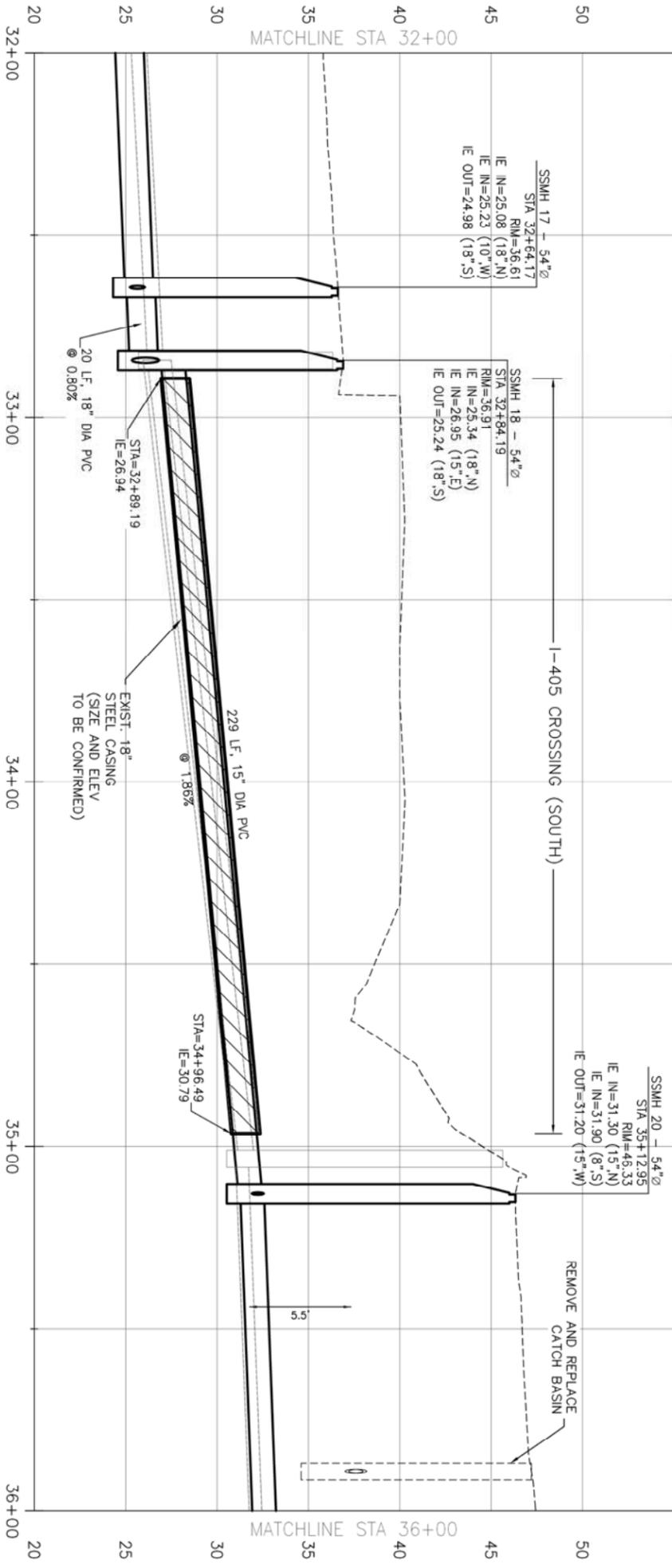


SCALE IN FEET

SECTION 6 OF 9

NO	DATE	BY	APPR

REVISIONS



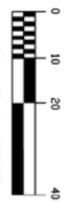
JACOBS PRE-DESIGN PLAN SET

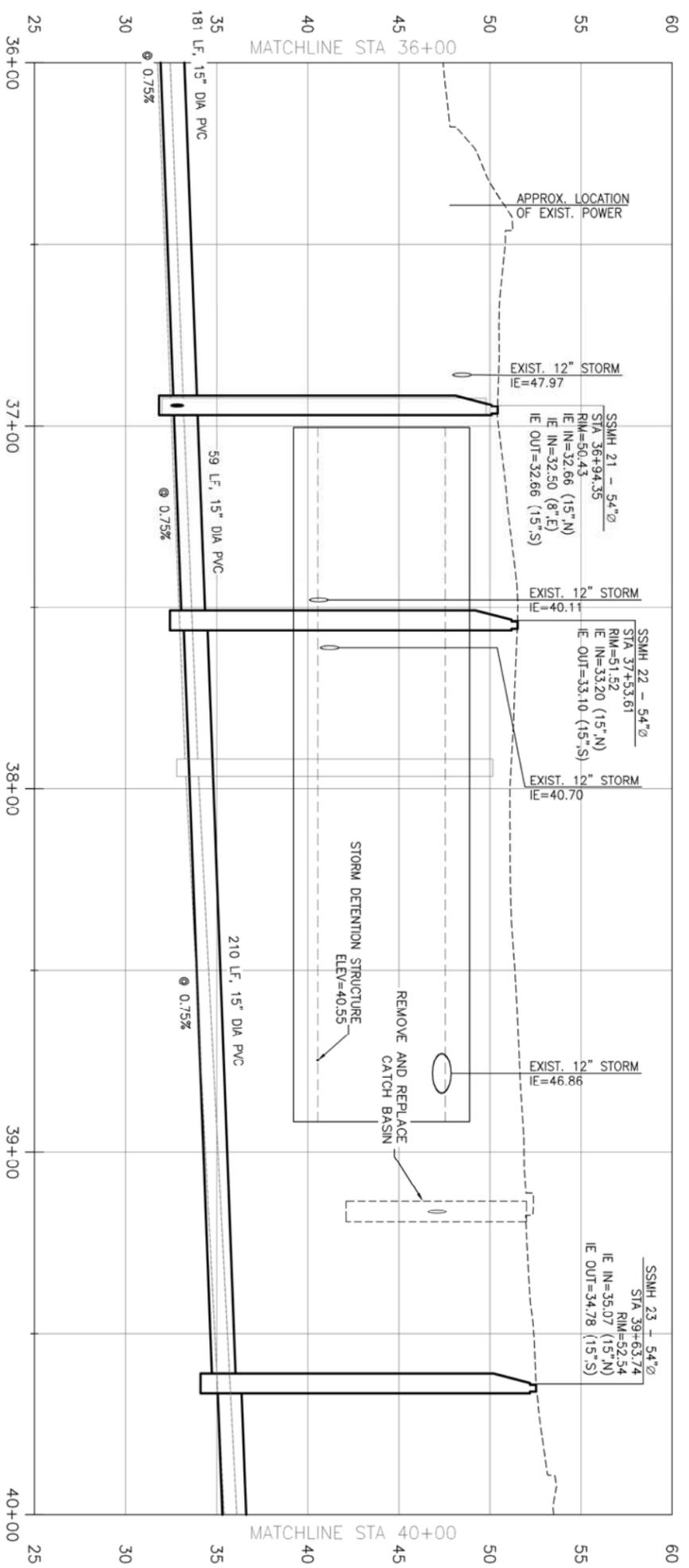
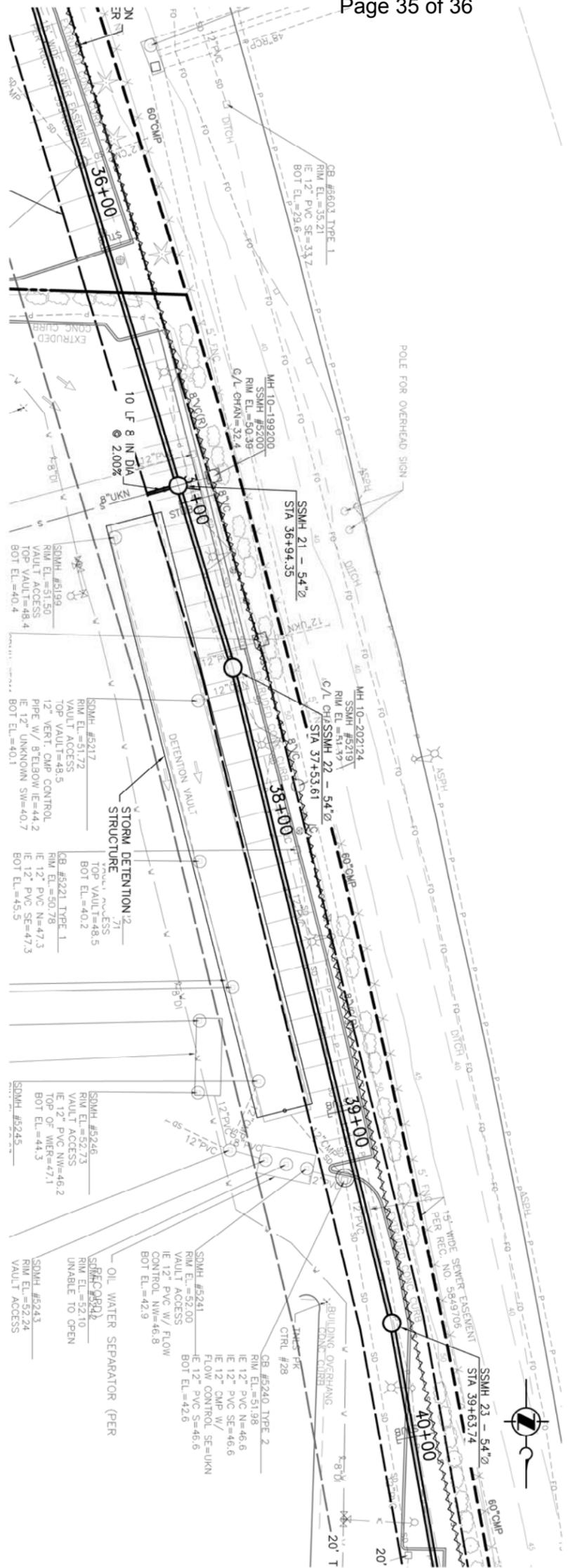
Approved By

DESIGN MANAGER	DATE	PROJECT MANAGER	DATE
ERIC SCHNEY <td> </td> <td> </td> <td> </td>			
ERIC SCHNEY <td> </td> <td> </td> <td> </td>			
JAMES CHALK <td> </td> <td> </td> <td> </td>			



WILBURTON SEWER CAPACITY
 UPGRADE PROJECT
 OPTION A - SHEET 7
 SECTION 7 OF 9





NO	DATE	BY	APPR	REVISIONS

JACOBS PRE-DESIGN PLAN SET

Approved By

DESIGN MANAGER: ERIC SCHAY
 PROJECT MANAGER: JAMES CHAY

DESIGNED BY: ERIC SCHAY
 DRAWN BY: JAMES CHAY
 CHECKED BY: JAMES CHAY



WILBURTON SEWER CAPACITY UPGRADE PROJECT
 OPTION A - SHEET 8

SECTION 8 OF 9

